

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2005/001487

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D239/22 C07D401/04 C07D401/06 C07D405/06 C07D405/14  
 C07D409/10 C07D413/06 C07D413/14 A61K31/505 A61K31/506  
 A61P11/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BEILSTEIN Data, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 03/053930 A (BAYER AKTIENGESELLSCHAFT) 3 July 2003 (2003-07-03) the whole document	1,20
A	OHMOTO K ET AL: "Development of orally active nonpeptidic inhibitors of human neutrophil elastase" JOURNAL OF MEDICINAL CHEMISTRY, vol. 44, no. 8, 12 April 2001 (2001-04-12), pages 1268-1285, XP002908876 the whole document	1,20
P, X	WO 2004/024700 A (BAYER HEALTHCARE AG) 25 March 2004 (2004-03-25) the whole document	1-20

 Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

## Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the International search

Date of mailing of the International search report

14 July 2005

16/09/2005

## Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
 Fax: (+31-70) 340-3016

Authorized officer

Allard, M

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## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  

Although claim 20 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2.  Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.  Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/EP2005/001487

Patent document cited in search report	Publication date		Patent family member(s)		Publication date
WO 03053930	A 03-07-2003	GB	2383326 A		25-06-2003
		GB	2390849 A		21-01-2004
		AU	2002361992 A1		09-07-2003
		CA	2470813 A1		03-07-2003
		WO	03053930 A1		03-07-2003
		EP	1458682 A1		22-09-2004
WO 2004024700	A 25-03-2004	AU	2003282006 A1		30-04-2004
		CA	2498051 A1		25-03-2004
		WO	2004024700 A1		25-03-2004
		EP	1546113 A1		29-06-2005
		GB	2392910 A		17-03-2004